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LEBANON

MAP COVERAGE REPORT (U)

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MARCH 1984

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INTRODUCTION

This report lists maps covering Lebanon. The maps, all available through the NPIC Map Library, vary in their content, scale, size, date of production, and publisher. They were selected for inclusion in this document because of their possible utility in the imagery exploitation process. (U)

Most of the maps listed in this publication are produced by the Defense Mapping Agency (DMA) or the Central Intelligence Agency (CIA) and are available for retention. Orders should identify maps by series and number. Some maps are available only on a loan basis; however, photocopies are available for retention. Orders for loan maps should give the complete call number. (U)

The scale of a map describes the relationship between a distance on the map and the corresponding distance on the ground, usually expressed as a ratio. The choice of map scale depends on the intended use of the map. Scale determines the amount of detail shown on a map. A large-scale map shows more detail but less area, while a small-scale map shows less detail but a larger area. For example:

Large-scale maps (more detail, less area): 1:10,000–1:25,000

Medium-scale maps: 1:50,000–1:250,000

Small-scale maps (less detail, more area): 1:500,000–1:22,000,000

The terms large and small scale are comparative, rather than absolute, so there are no precise definitions of the boundaries between them. Maps of continental areas and the world are all in small scale, however, and town plans are large scale. (U)

The NPIC Map Library continues to work very closely with the CIA Cartography Center, Map Services Division, DMA, and other map-producing agencies to procure the most current maps available to support analysts' requirements. This report was prepared by NPIC Map Library. Comments may be directed to the Chief, NPIC Map Library, Room 1S303, telephone or 25X1
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BACKGROUND INFORMATION**Location**

Lebanon, on the eastern shore of the Mediterranean Sea, is bounded on the north and east by Syria and on the south by Israel. (U)

Area: Approximately 10,400 sq km (3,400 sq mi), about four-fifths the size of Connecticut (U)

Capital: Beirut—pop. 702,000 (est. 1980) (U)

Major Cities: Sidon—pop. 24,740 (est. 1980)

Tripoli—pop. 175,000 (est. 1980)

Tyre—pop. 14,000 (est. 1980)

Zahlah—pop. 46,800 (est. 1980) (U)

People

The population of Lebanon (2.6 million, est. 1980) comprises Christians and Muslims. Although no official census has been taken since 1932, past government registration figures have indicated that the population is almost evenly divided between these two religions. In recent years, however, Muslims have claimed that they are in the majority, a factor which contributed to the tension preceding the 1975-76 civil strife. (U)

Economy

GNP: Over \$4.1 billion (est. 1980) (U)

Trade: Exports—\$886 million (est. 1981)

Imports—\$3.2 billion (est. 1981)

Major suppliers—Western Europe and US (U)

Industry: Service industries, food processing, textiles, cement, oil refining, chemicals, some metal fabricating, tourism (U)

Agriculture: Fruits, wheat, corn, barley, potatoes, tobacco, olives, onions (U)

Defense

Since 1976, the United States has supported the Lebanese government's efforts to rebuild its military and redeploy it throughout the country. To this end, the US has provided more than \$100 million in military assistance since 1977 for both equipment and training. France also provides military equipment and training. (C)

MAP LISTINGS**Base Maps**

Base maps are basic outline maps that show major cities, transportation, and administrative divisions. They can be valuable tools for preparing briefings and for illustrating reports. CIA produces the following base maps of Lebanon for retention:

Accession No.	Scale	Size	Date	Class.
505042	1:1,000,000	8 x 10	1982	U
505043	1:1,000,000	8 x 10	1982	U
503160	1:600,000	8 x 10	1977	U
503804	1:404,000	20 x 24	1979	U
505805	1:404,000	16 x 20	1979	U

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Briefing Maps

In many instances, maps are an essential part of an oral presentation. Many briefing maps showing significant details are effective visual aids. Some maps are more suitable than others for this purpose. The following maps, all available for retention, were selected for this category because of their size and their distinctive presentation of administrative divisions, major transportation routes, and major cities. (U)

Accession No. and Title	Scale	Size	Date	Class.
505319 South Lebanon and Vicinity	1:250,000	18 x 25	1982	U
505328 Landsat Photography	1:250,000	22 x 35	1982	U
504852 Lebanon Crisis Area, Mosaic of JOG	1:250,000	34 x 45	1981	U
505911 Built-up Settlement	1:250,000	29 x 41	1983	U
502386 South Lebanon and Vicinity	1:150,000	35 x 41	1976	U
504999 South Lebanon Border Area	1:150,000	16 x 26	1981	U
700119 Southern Lebanon and Vicinity Orthophoto	1:25,000	29 x 36	1983	S

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Topographic Maps

Topographic maps portray the shape and elevation of terrain, usually by contours or color shading. These maps also show major cities, transportation, and administrative divisions. Complete topographic map coverage of Lebanon is available at various scales. (U)

1:250,000 Scale Maps

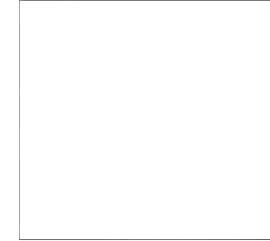
DMA produces three versions of the 1501-Joint Operations Graphic (JOG) series of Lebanon (Figure 1). Each version is identified in the lower margin of the map as Joint Operations Graphic (Air), Joint Operations Graphic (Ground), or Joint Operations Graphic (Radar). (S)

The JOG-Air series contains detailed information on air-related facilities such as runway lengths and patterns, radio facilities, and obstructions. The highest terrain elevation in each 15-minute quadrangle is identified by large open-face figures. Elevations and contours are given in feet. (U)

The JOG-Ground series is prepared for use by ground units, and only stable or permanent air facilities are identified. Elevations and contours are located in the same positions as on the air version, but are given in meters. (U)

The JOG-Radar series is the same as JOG-Air and JOG-Ground except that it depicts target references with BE Numbers, and the elevations are in feet. (S)

Sheet No.	JOG-Air		JOG-Ground	
	Date	Class.	Date	Class.
NI 36-08	1976	U	1976	U
NI 36-12	1980	U	1975	U
NI 37-05	1976	U	1973	U
NI 37-09	1976	U	1981	U



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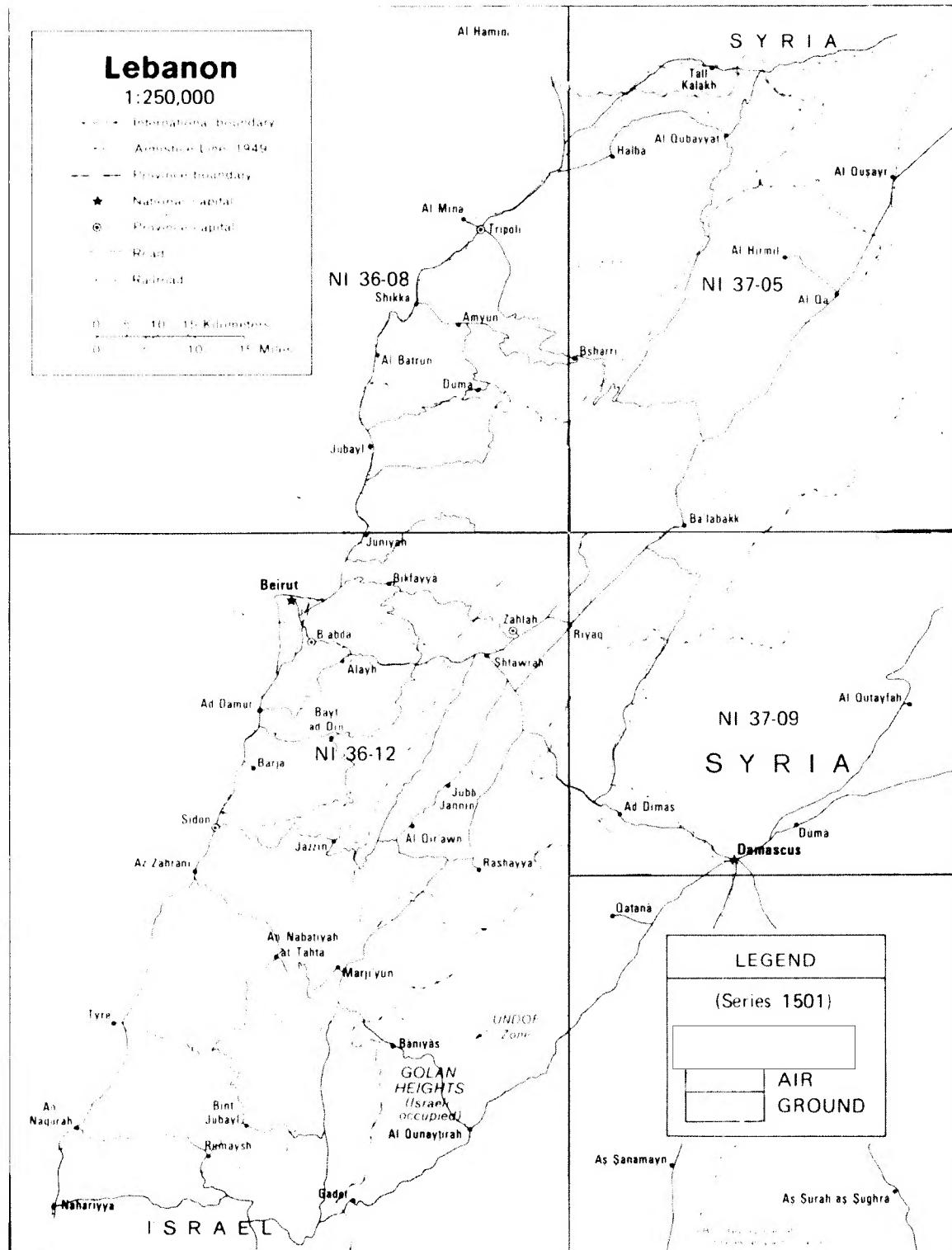


FIGURE 1. INDEX TO JOINT OPERATIONS GRAPHIC (JOG) SERIES

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1:200,000 Scale Maps

These maps are published by the Syrian Military Survey Department. They are particularly useful for locating small villages not necessarily listed on the DMA-produced series. (U)

Sheet No. and Title	Date	Call No.	Class.
NI 36-XII Beirut	1977	H213-30, 205742	U
NI 36-XVIII Tripoli	1975	H213-30, 205742	U
NI 37-VII Damas	1977	H213-30, 205742	U
NI 37-XIII Homs	1977	H213-30, 205742	U

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1:50,000 Scale Maps

These maps are published by DMA (Figure 2). In addition to detailed topographic information, these series provide the following data: UTM grid and geographic coordinates (K724); intelligence, UTM grid, and geographic coordinates (K724S); and the Palestine belt grid, Levant zone grid, and geographic coordinates (K724N). (C)

Sheet No.	Series K724		Series K724S		Series K724N	
	Date	Class.	Date	Class.	Date	Class.
3056 I	1977	U	NP		1978	U
3056 II	NP		1977	C	1978	U
3056 III	NP		1977	C	1978	U
3056 IV	1977	U	NP		1978	U
3057 II	1970	U	NP		NP	
*3057 II	1983	U	—		—	
3156 IV	NP		1973	C	1978	U
3157 I	1970	U	NP		1978	U
3157 II	1970	U	NP		1978	U
3157 III	1977	U	NP		1978	U
*3157 III	1983	U	—		—	
3157 IV	1977	U	NP		NP	
*3157 IV	1983	U	—		—	
3158 I	1977	U	NP		NP	
3158 IV	1977	U	NP		NP	
3257 IV	1970	U	NP		1978	U
3258 I	1970	U	NP		NP	
3258 II	1970	U	NP		NP	
3258 III	1970	U	NP		NP	
3258 IV	1977	U	NP		NP	
3259 III	1977	U	NP		NP	

* = Special Edition

NP = Not Published

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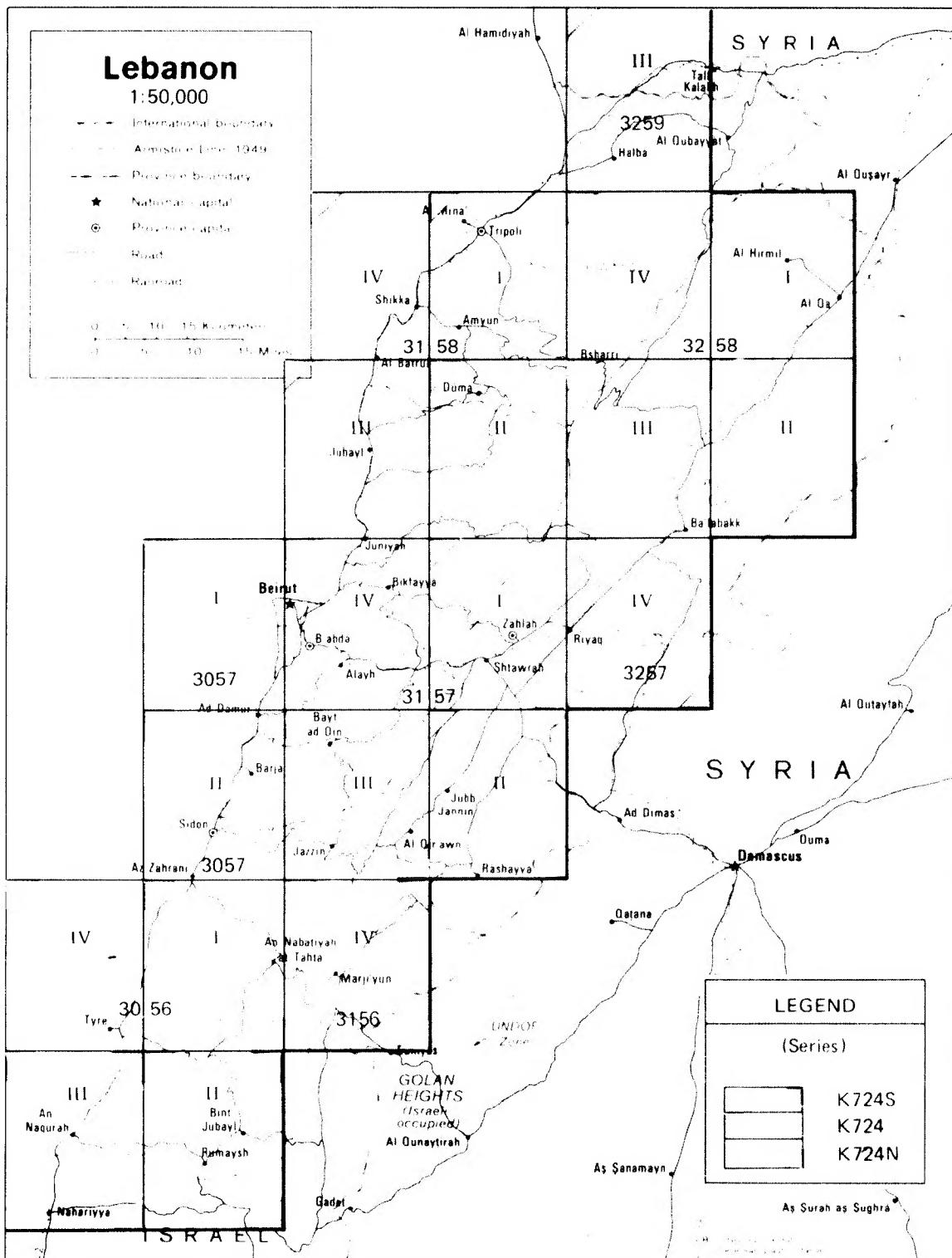


FIGURE 2. INDEX TO 1:50,000-SCALE TOPOGRAPHIC MAPS

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Aeronautical Maps

These maps have special overprints and intelligence to monitor international air/ground tactical operation, operational planning, and training. They are essential to aerospace navigation of high-performance weapon systems. Other uses include visual and radio navigation, monitoring radio emissions and other electronic devices, plotting, mission planning, and intelligence briefing. (U)

Series	Sheet No.	Scale	Date	Class
Global Navigation Chart (GNC)	GNC 4	1:5,000,000	1981	U
Jet Navigation Chart (JNC)	JNC 35	1:2,000,000	1980	U
Operational Navigation Chart (ONC)	ONC G-04	1:1,000,000	1982	U
Tactical Pilotage Chart (TPC)	TPC G-4D	1:500,000	1981	U

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Thematic Maps

Thematic maps have a special purpose and usually emphasize a single topic. Their titles usually identify the topics presented. (U)

Title/Description	Call No.	Scale	Date	Class.
Boundary				
Syria and Lebanon	H216-23.5, 284943	1:1,000,000	1982	U
Northern Israel and Neighboring States	H216-23.5, 265517	1:1,000,000	1978	U
Southern Lebanon Border Area	H216-23.5, C504999	1:150,000	1981	U
Climate				
Annual Mean Precipitation Map	H216-9, 263047	1:700,000	1978	C
Rainfall Map of Lebanon	H216-9, 257580	1:600,000	1973	U
General				
Lebanon	H216-10, 284944	1:250,000	1982	U
Land Use				
Land Use in Lebanon about 1970	H216-15, 250927	1:250,000	1976	U
Military				
Southern Lebanon UNIFIL Deployments as of December 1981	H216-16, 281352	1:200,000	1981	U

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Title/Description	Call No.	Scale	Date	Class.
Oil				
Lebanon: POL	H216-20, 280407	1:300,000	1981	S
Lebanon—Crude Oil Pipelines, Refineries, and Terminals	H216-20, 250144	1:300,000	1976	C
People				
South Lebanon and Vicinity (showing settlement)	H216-21, C502943	1:150,000	1976	U
Southern Lebanon Border Area	H216-21, C504999	1:150,000	1981	U
Distribution of Communities in Lebanon	H216-21.3, 256507	NS	1976	U
Power				
Lebanon: Electric Power	H216-24, 280406	1:6,000,000	1981	S
Roads				
Syria and Lebanon	H216-28, 284943	1:1,000,000	1982	U
Syria and Lebanon	H216-28, 267546	1:500,000	1977	U
Carte Generale du Liban	H216-28, 236225	1:250,000	1974	U
Lebanon	H216-28, 286845	1:500,000	1982	C
Liban	H216-28, 282109	1:200,000	1982	U
Physical				
Syria and Lebanon	H216-22, 267545	1:1,000,000	1977	U
Lebanon: Cross Country Movement Condition	H216-22, 280422	1:500,000	1981	S
Water Supply				
The Litani Scheme Geographical Disposition	H216-34, 241543	NS	1974	U

NS = No Scale

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Hydrography Charts

The Defense Mapping Agency Hydrographic Center (DMAHC) has produced several hydrographic charts of Lebanon and its coastal water at various scales and dates. These charts show soundings in fathoms and feet, major obstructions to navigation, and detailed coverage of ports. (U)

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Embassy Maps

Since the American Embassy takeover in Iran, the NPIC Map Library has maintained a file of plans of selected American Embassies to supply associated map requests in support of imagery exploitation requirements. These plans show compound layouts, surrounding streets, and building floor plans. A map of the US Embassy in Lebanon is contained in the files. (S)

Post Report

The NPIC Map Library maintains a file of the latest State Department Post Reports on American Embassies and other diplomatic missions worldwide. The most recent Post Report available on Lebanon is dated 1979. (U)

Publications

A variety of reference documents may be useful to analysts working on an intelligence problem involving Lebanon. The following publications were selected to facilitate research and are available on a loan basis. (U)

Title/Description	Call No.	Date
<i>Liste des Numeros Postaux de Tri (gazetteer)</i>	H216-10 PO233287	1973
<i>Atlas of Lebanon and the World</i>	H216-10 PO242689	1973
<i>Lebanon Today (guidebook)</i>	H216-10 PO240337	1974
<i>Liban (guidebook)</i>	H216-10 PO245313	1975
<i>Tourist and Hotel Guide for Lebanon</i>	H216-10 PO229216	1972
<i>Eternal Lebanon (tourist guide digest)</i>	H216-10 PO229220	1972
<i>Beirut—An Insider's Guide</i>	H216-09 PO242952	1975

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REFERENCES

Information Please Almanac (U), 37th Ed., A&W Publishers Inc., New York, 1983, pp. 221-222.

Lebanon—Background Notes (U), US Department of State, Washington, DC, 1982.

Lebanon—Official Standard Names Gazetteer (U), US Army Topographic Command, Washington, DC, 1970.

Lebanon—Post Report (U), US Department of State, Washington, DC, 1979.

The Statesman's Year-Book (U), 120th Ed., Macmillan Press, London, 1983-1984, pp. 778-782.

The World Factbook, Nineteen Hundred and Eighty-Three (U), Central Intelligence Agency, Washington, DC, 1983.

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